

Identification of Achievable Performance Standards
Source Category: Surface Coatings of Plastic Parts and Products

Regulated Component	Pollutant	Rule/Measure/Date									
		South Coast 1145 Plastic, Rubber, and Glass Coatings 02/14/97		Bay Area 8-31 Surface Coating of Plastic Parts and Products 12/20/95							
		Performance Standard									
Compound Exemption	VOC		includes any compound which contains carbon element, but excluding: methane carbon monoxide carbon dioxide carbonic acid metallic carbides carbonates ammonium carbonate and exempt compounds		includes any organic compound, but excluding: methane carbon monoxide carbon dioxide carbonic acid metallic acid carbonates ammonium carbonate methylene chloride 1,1,1 trichloroethane CFC-113 CFC-11 CFC-12 CFC-114 CFC-115 HCFC-22 HFC-23 acetone PCBTF VMS						
General coatings One-component	VOC	x	275 g/L 2.3 lbs/gal		340 g/L 2.8 lbs/gal (assuming one- component)						
General Coatings Two-component	VOC	x	420 g/L 3.5 lbs/gal								
Military Spec. Coatings One-component	VOC	x	340 g/L 2.8 lbs/gal								

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Military Spec. Coatings Two-component	VOC	x	420 g/L 3.5 lbs/gal	x	420 g/L 3.5 lbs/gal						
Multi-Colored Coatings	VOC		685 g/L 5.7 lbs/gal	x	450 g/L 3.8 lbs/gal						
Mold Seal Coatings	VOC	x	750 g/L 6.3 lbs/gal								
Vacuum Metalizing Coatings	VOC	x	800 g/L 6.7 lbs/gal								
Curtain Coated	VOC	x	500 g/L 4.2 lbs/gal								
Roll Coated	VOC	x	430 g/L 3.6 lbs/gal								
Optical Coatings	VOC	x	800 g/L 6.7 lbs/gal	x	800 g/L 6.7 lbs/gal						
Electric Dissipating Coatings & Shock-Free Coatings	VOC		360 g/L 3.0 lbs/gal	x	325 g/L 2.7 lbs/gal						
Metallic Coatings	VOC	x	420 g/L 3.5 lbs/gal	x	420 g/L 3.5 lbs/gal						

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Extreme Performance	VOC			x	750 g/L 6.2 lbs/gal, and usage is limited to 3785 liters(1000 gal) in any calendar year							
High Gloss	VOC			x	420 g/L 3.5 lbs/gal							
Flexible primer	VOC			x	490 g/L 4.1 lbs/gal							
Base coat/clear coat (combined system)	VOC			x	540 g/L 4.5 lbs/gal							

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Spray Application Equipment Limitations (Transfer Efficiency)	VOC		Operating in accordance to the manufacturer's specification, facility may use: 1. Electrostatic application 2. Flow coater 3. Roll coater 4. Dip coater 5. Hand application methods 6. High Volume, low- pressure (HVLP) spray, or 7. other coatings methods with 65% transfer efficiency with APCO & USEPA approval	x	With overall efficiency of 85%, facility shall use: 1. High Volume, Low Pressure (HVLP) spray 2. Electrostatic Spray 3. Detailing gun, or 4. APCO approved coating spray application with transfer efficiency of 85%			
Solvent Cleaning Operations	VOC	x	Pursuant to Rule 1171 Cleaning devices: -wipe cleaning -closed containers had held spray bottle without propellant -cleaning equipment which has a solvent container that can be, and is closed during		8-31-320 Solvent Evaporative Loss Minimization: 320.1 Shall use closed containers for storage or disposal of cloth or paper used for solvent surface preparation and cleanup 320.2 Shall use equipment for			

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		cleaning operations, except when depositing and removing objects to be cleaned and is closed during non-operation with the exception of maintenance and repair to the cleaning equipment itself; -Non-atomized solvent flow method -Solvent flushing method -Remote Reservoir Cleaners Storage and disposal -All VOC-containing solvents, used in solvent cleaning operations, shall be stored in	collecting the cleaning equipment compounds 320.3 Shall close containers of coatings, catalyst or solvent when not in use					
		non-absorbent, non- leaking containers which shall be kept closed at all times except when filling or emptying. It is recommended that cloth and paper moistened with VOC-containing solvents be stored in closed, non-absorbent,						

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		non-leaking containers. Control Equipment -a person may comply by using a VOC emission collected and control system in association with the solvent cleaning operation provided the emission control system shall collect at least 90%, by weight, of the emissions generated and have a destruction efficiency of at least 95%, by weight, or less than 50 ppm as carbon with no dilution						
Automotive Related Coatings	VOC	x Group I vehicles are subject to limits in Table 1 of subgraph (c)(1)(A) of Rule 1151 Group II vehicles are subject to limits in Table 2 of subgraph (c) (2)(B) of Rule 1151						
Air Pollution Control Equipment	VOC	x 1. Reduce VOC emissions at least 95% by weight, or the output concentration of VOC shall be < 50 ppm						

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		calculated as carbon with no dilution 2. Collects at least 90% by weight of VOC emissions							
Alternative Emission Control	VOC	x Compliance with paragraph (c)(2) - coating VOC limits or (4) - Automotive coating limit, may be achieved by means of Alternative Emission Control Plan pursuant to Rule 108 - Alternative Emission Control Plans							

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Recordkeeping Requirements	VOC	Pursuant to Rule 109 - Recordkeeping For VOC Compound Emissions Records maintained for 2 years; method of application; amount and type of coating, adhesive; solvent; amount of diluent surface pre., solvent VOC content appropriate vapor pressure x -Control equipment: continuous monitoring records maintained for 2 years. -VOC content of coatings in lbs. VOC/lbs solid	8-31-501 Records: 501.1 Maintain current data: a. Coating catalyst and reducer used b. VOC content of coating 501.2 Weekly record of usage: 1. Coating & mix ratio of component b. Quality of each coating applied c. Identification of specialty coating limit category d. Over temperature 501.3 Daily record of coating usage when air pollution abatement equipment is used 501.4 Monthly record of solvent usage 501.5 Records shall be retained for the previous 24-month period x				